

IN THE CLAIMS

The following claims listing replaces all prior claims listings:

1. (Currently Amended) A sensor device for measuring changes in nature of a detecting portion upon coupling with a target, the sensor device comprising:
a detecting portion having a plurality of binding sites, each binding site permitting one type of a plurality of different types of targets to selectively couple therewith,
wherein the sensor device extracts ~~characterized in extracting~~ plural pieces of information including information about the[[,]] presence, absence, or distribution of the target via coupling of the target with the detecting portion.
2. (Canceled).
3. (Previously Presented) The sensor device according to claim 1 wherein the detecting portion includes a plurality of binding sites.
4. (Canceled).
5. (Currently Amended) The sensor device according to claim 1 [[4]] wherein the binding sites couple with the targets to detect changes in amount of the targets with time.
6. (Original) The sensor device according to claim 1 wherein said information is extracted by measuring changes in physical nature or structure of the detecting portion upon coupling with the targets.
7. (Original) The sensor device according to claim 1 wherein said information is extracted by measuring changes in dielectric constant of the detecting portion upon coupling with the targets.

8. (Original) The sensor device according to claim 1 wherein said information is extracted by measuring changes in dielectric constant of the detecting portion upon coupling with the targets according to the principle of surface plasmon resonance.

9. (Original) The sensor device according to claim 1 wherein said information is extracted by measuring changes in weight of the detecting portion upon coupling with the targets.

10. (Original) The sensor device according to claim 1 wherein said information is extracted by measuring changes in weight of the detecting portion upon coupling with the targets by using an oscillating circuit and a frequency measuring device.

11. (Previously Presented) The sensor device according to claim 3 wherein the targets are antigens and binding sites are antibodies, and the antigens and the antibodies couple by antigen/antibody reaction.

12. (Currently Amended) A sensing method for measuring changes in nature of a detecting portion upon coupling with a target, comprising:

selectively coupling the target to one of a plurality of binding sites on the detecting portion; and

extracting information including information about the[[,]] presence, absence, or distribution of the target via coupling of the target with the detecting portion.

13. (Currently Amended) A biological substance sensor device for measuring changes in nature of a detecting portion upon coupling a biological substance, the biological substance sensor device comprising:

a detecting portion,

wherein the biological substance sensor device simultaneously extracts ~~characterized in simultaneously extracting~~ plural pieces of information including information about the, presence, absence, or distribution of the biological substance[[,]] via selective coupling of the substance with the detecting portion.

14. (Currently Amended) A biological substance sensing method for measuring changes in nature of a detecting portion upon coupling a biological substance, comprising:
providing the biological substance for coupling with the detecting portion; and
simultaneously extracting plural pieces of information including information about the[[,]] presence, absence, or distribution of the biological substance[[.]] via selective coupling of the substance with the detecting portion.

15. (Currently Amended) A secretion sensor device for measuring changes in nature of a detecting portion upon coupling with a secretion product, the secretion sensor device comprising:
a detecting portion,
wherein the sensor device extracts ~~characterized in simultaneously extracting~~ plural pieces of information including information about the[[,]] presence, absence, or distribution of the secretion product[[.]] via selective coupling of the product with the detecting portion.

16. (Currently Amended) A secretion sensing method for measuring changes in nature of a detecting portion upon coupling with a secretion product, comprising:
providing the secretion product for coupling with the detecting portion; and
simultaneously extracting plural pieces of information including information about the[[,]] presence, absence, or distribution of the secretion product[[.]] via selective coupling of the secretion product with the detecting portion.

17. (Currently Amended) An emotion sensor device for detecting changes in emotion through measurement of changes in nature of a detecting portion upon coupling with a secretion product secreted from a living body along with changes of the emotion, the emotion sensor device comprising:
a detecting portion,
wherein the sensor device extracts ~~characterized in simultaneously extracting~~ plural pieces of information including information about the[[,]] presence, absence, or distribution of the secretion product[[.]] via coupling of the product with the detecting portion.

18. (Currently Amended) An emotion sensing method for detecting changes in emotion through measurement of changes in nature of a detecting portion upon coupling with a secretion product secreted from a living body along with changes of the emotion, comprising:

providing the secretion product for coupling with the detecting portion; and

simultaneously extracting plural pieces of information including information about[[,]] presence, absence, or distribution of the secretion product[[.]] via coupling of the product with the detecting portion.